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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/600,560	06/19/2003	Myungsun Kim	DE-1484	6060	
1109 75	11/13/2006		EXAMINER		
ANDERSON, KILL & OLICK, P.C. 1251 AVENUE OF THE AMERICAS			NALVEN, ANDREW L		
	NY 10020-1182		. ART UNIT PAPER NUMBE		
			2134		
			DATE MAILED: 11/13/200	DATE MAILED: 11/13/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
		10/600,560	KIM ET AL.			
Office Action Sun	nmary	Examiner	Art Unit			
		Andrew L. Nalven	2134			
The MAILING DATE of the Period for Reply	is communication app	ears on the cover she	et with the correspondence	address		
A SHORTENED STATUTORY WHICHEVER IS LONGER, FRO Extensions of time may be available under after SIX (6) MONTHS from the mailing da If NO period for reply is specified above, the Failure to reply within the set or extended Any reply received by the Office later than earned patent term adjustment. See 37 C	DM THE MAILING DA the provisions of 37 CFR 1.13 te of this communication. the maximum statutory period we period for reply will, by statute, three months after the mailing	ATE OF THIS COMM (6(a). In no event, however, m ill apply and will expire SIX (6) cause the application to beco	UNICATION. hay a reply be timely filed) MONTHS from the mailing date of this me ABANDONED (35 U.S.C. § 133).			
Status						
1)⊠ Responsive to communic 2a)	2b)⊠ This condition for allowan	action is non-final.	matters, prosecution as to t C.D. 11, 453 O.G. 213.	he merits is		
Disposition of Claims						
4) ⊠ Claim(s) <u>1-12</u> is/are pend 4a) Of the above claim(s) 5) □ Claim(s) is/are allo 6) ⊠ Claim(s) <u>1,2,7 and 8</u> is/ar 7) ⊠ Claim(s) <u>3-6 and 9-12</u> is/a 8) □ Claim(s) are subje	is/are withdraw wed. e rejected. are objected to.					
Application Papers						
. ,,	June 2003 is/are: a) at any objection to the concept (s) including the correction	☑ accepted or b)☐ drawing(s) be held in ab on is required if the dra	peyance. See 37 CFR 1.85(a). wing(s) is objected to. See 37	CFR 1.121(d).		
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
1) Notice of References Cited (PTO-892 2) Notice of Draftsperson's Patent Drawi 3) Information Disclosure Statement(s) (Paper No(s)/Mail Date	ng Review (PTO-948)	Pape 5) D Notice	riew Summary (PTO-413) r No(s)/Mail Date e of Informal Patent Application			

DETAILED ACTION

1. Claims 1-12 are pending.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by Gentry et al US PGPub 2003/0182554.
- 3. With regards to claims 1 and 7, Gentry teaches generating system parameters G1, G2, P and e and storing the system parameters in memory by a system administrator wherein G1 and G2 are cycle groups of order m, P is a generator on the cyclic group G1, e is bilinear map defined as e: G1 x G1 -> G2 (Gentry, paragraphs 0021-0022), generating a private key <a, b, c> and a public key v and storing the public key v in the memory of a prover or the system administrator wherein a, b, and c are randomly chosen in Zm where Zm is a multiplicative group of order m (Gentry, paragraphs 0021-0022), generating random numbers r1, r2, r3 of the group Zm for obtaining an evidence (x, Q) and sending the evidence to a verifier by the prover

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(Gentry, paragraphs 0020-0022), receiving the evidence (x, Q), selecting a randomly w of the group Zm to obtain a query R, storing the evidence and the randomly selected number w in the memory and sending the query R to the prover by the verifier (Gentry, paragraphs 0022-0025), receiving the query R, computing a temporary value S to obtain a response Y and sending the response Y to the verifier by the prover (Gentry, paragraphs 0022-0025), and determining a legitimacy of the prover by employing the system parameters G1, G2, P and e, the public key v, the evidence (x, Q), and the randomly selected number w by the verifier (Gentry, paragraph 0024).

4. **With regards to claims 2 and 8**, Gentry teaches the public key v obtained by v = e(P, P)^abc (Gentry, paragraph 0021).

Allowable Subject Matter

5. Claims 3-6 and 9-12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

6. With regards to claims 3 and 9, the cited prior art fails to teach a first evidence value x=e(P, P)^r1 * r2 * r3 and a second evidence value Q=r1 * r2 * r3 * P. As a result, the cited prior art fails to anticipate or render obvious the above-cited claims.

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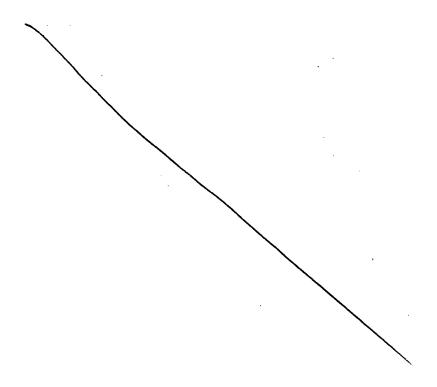
Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

1. Boneh et al US Patent No. 7,113,594 discloses a system for identity based encryption and related cryptographic techniques.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew L. Nalven whose telephone number is 571 272 3839. The examiner can normally be reached on Monday - Thursday 8-6, Alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571 272 3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.



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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Andrew Nalven

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